

Abstract

The invention relates to a rotary friction welding process for joining or connecting components, wherein a first component (11) is moved rotationally, wherein a second component (12) is stationary, wherein the rotating component (11) and the stationary component (12) are pressed against one another with a specific force, and wherein joining surfaces of the components (11, 12) being connected to one another are hereby adapted to one another and a connection bead (20) is formed in the area of the joining surfaces.

According to the invention, a relative position and a compression between the components (11, 12) being connected to one another are measured, wherein then, when a pre-specified compression and a pre-specified relative position are reached, the stationary component (12) is released in such a way that it rotates jointly with the rotating component (11).

(Fig. 1)